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In the claims

Please amend the claims as follows:

1. (currently amended) A compound of the general formula (I)



wherein

X is an m-valent unit and

B are identical or different and denote K-R, wherein

K is a bond or is $A^1-(A^2-A^3)_k$ -sp, wherein

A^1 is $(CH_2)_tY(CH_2)_u$, wherein

Y is $>C=O$, $>NH$, $-O-$, $-S-$ or a bond,

t is an integer from 0 to 6 and

u is an integer from 0 to 6,

A^2 is $-NHCO-$, $-CONH-$, $-OCONH-$ or $SCONH-$, or $[[is]]-CO-$,

A^3 is $(CH_2)_r$, $O(CH_2)_r$, $NH(CH_2)_r$, $S(CH_2)_r$ or $-(CHQ)-$, wherein

r is an integer from 1 to 6 and

Q is a substituted or unsubstituted alkyl or aryl group,

sp is a divalent spacer or a bond, and

k is an integer from 5 to 100, and

R is hydrogen~~[[;]]~~ or a ligand suitable for specific bonding to a receptor; a ~~marker molecule; or a catalytically active group; and~~

m is at least 2,

with the proviso that

- (1) in the compound at least one R is not hydrogen,
- (2) there are at least two K that are not a bond, and
- (3) X, B and m are so selected that an intermolecular association of the K in liquid phase by the formation of hydrogen bonds is possible, with formation of aggregates that present on the surface a plurality of R that are not hydrogen, and
- (4) the molar mass of the fragment $X(K)_m$ is less than 20,000.

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2. (previously presented) A compound according to claim 1, wherein the molar mass of the fragment $X(K)_m$ is less than 4,000.

3. (previously presented) A compound according to claim 1, wherein

m is an integer from 2 to 4, and

X is CH_{4-m} , NH_{3-m} , N^+H_{4-m} , $>P-$ (when $m = 3$), $>P^+<$ (when $m = 4$), $>B-$ (when $m = 3$), a linear atom group C_2H_{6-m} , $>CH(CH_2)_zCH<$, $>C=C<$, $>N-N<$, $>N(CH_2)_zN<$ wherein $z = 2 - 6$, when $m = 4$), a carbocyclic atom group C_6H_{6-m} , C_6H_{12-m} , or a heterocyclic atom group C_3N_3 (when $m = 3$), C_4N_2 (when $m = 4$).

4. (previously presented) A compound according to claim 1, wherein there are at least 3 K .

5. (previously presented) A compound according to claim 1, wherein at least two R are not hydrogen.

6. (previously presented) A compound according to claim 1, wherein at least three R are not hydrogen.

7. (canceled)

8. (currently amended) A compound according to claim 1, wherein the saccharide ligand R is sialic acid, sialyl lactose, sialyl lactosamine, lactose, mannose, $Gal\alpha 1-3Gal$, $Gal\alpha 1-3(Fuca 1-2)Gal$, $GalNAc\alpha 1-3(Fuca 1-2)Gal$, $Neu5Ac\alpha 2-6GalNAc$, $SiaLe^A$, $SiaLe^X$, HSO_3Le^A , HSO_3Le^X , $Gal\alpha 1-3Gal\beta 1-4GlcNAc$, $Gal\alpha 1-3Gal\beta 1-4Glc$, $HSO_3GlcA\beta 1-3Gal\beta 1-4GlcNAc$, N -acetyl-lactosamine or polylactosamine, or wherein the saccharide ligand R is sialic acid benzyl glycoside, $HSO_3GlcA\beta 1-3Gal$, $HSO_3GlcA\beta 1-3Gal\beta 1-4GlcNAc\beta 1-3Gal\beta 1-4Glc$, $GalNAc\alpha$,

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GalNAc α 1-3(Fuc α 1-2)Gal β 1-4GlcNAc, Gal α 1-3(Fuc α 1-2)Gal β 1-4GlcNAc, HSO₃(Sia)Le^X, HSO₃(Sia)Le^A, Le^Y, GlcNAc β 1-6(GlcNAc β 1-3)Gal β 1-4Glc, GalNAc β 1-4(Neu5Ac α 2-3)Gal β 1-4Glc, mannose-6-phosphate, GalNAc β 1-4GlcNAc, oligo-sialic acid, N-glycolylneuraminic acid, Gal α 1-4Gal β 1-4Glc, or Gal α 1-4Gal β 1-4GlcNAc.

9. (previously presented) A compound according to claim 1, wherein
 m is an integer from 2 to 4,
 X is CH_{4-m},
 A¹ is CH₂,
 A² is NHCO,
 A³ is CH₂,
 k is 8,
 sp is (CH₂)₃CONHCH₂CONHC₆H₄-4-CH₂O- and
 R is Neu5Ac α 2-6Gal β 1-4GlcNAc.

10. (currently amended) An aggregate of the general formula (II):



wherein X(B)_m may be identical or different and denote a compound of the general formula (I),



wherein

- X is an m-valent unit and
 B are identical or different and denote K-R, wherein
 K is a bond or is A¹-(A²-A³)_k-sp, wherein
 A¹ is (CH₂)_tY(CH₂)_u, wherein
 Y is >C=O, >NH, -O-, -S- or a bond,
 t is an integer from 0 to 6 and
 u is an integer from 0 to 6,
 A² is -NHCO-, -CONH-, -OCONH- or SCONH-, or [[is]] -CO-,
 A³ is (CH₂)_r, O(CH₂)_r, NH(CH₂)_r, S(CH₂)_r or -(CHQ)-, wherein

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r is an integer from 1 to 6 and
 Q is a substituted or unsubstituted alkyl or aryl group,
 sp is a divalent spacer or a bond, and
 k is an integer from 5 to 100, and

R is hydrogen[~~[[;]]~~ or a ligand suitable for specific bonding to a receptor; a
 marker molecule; or a catalytically active group; and

m is at least 2,
 with the proviso that

- (1) in the compound at least one R is not hydrogen,
- (2) there are at least two K that are not a bond, and
- (3) X , B and m are so selected that an intermolecular association of the K in liquid phase by the formation of hydrogen bonds is possible, with formation of aggregates that present on the surface a plurality of R that are not hydrogen, and
- (4) the molar mass of the fragment $X(K)_m$ is less than 20,000, and
 n is from 2 to 100,000,
 and wherein $X(B)_m$ are non-covalently bonded.

11. (previously presented) An aggregate according to claim 10 having a leaf-like, linear, cyclic, polycyclic, polyhedral, spherical or dendritic structure.

12. (currently amended) An aggregate according to claim 10 of two or more different compounds comprising a compound of the general formula (I)



wherein

X is an m -valent unit and
 B are identical or different and denote $K-R$, wherein
 K is a bond or is $A^1-(A^2-A^3)_k-sp$, wherein
 A^1 is $(CH_2)_tY(CH_2)_n$, wherein
 Y is $>C=O$, $>NH$, $-O-$, $-S-$ or a bond,
 t is an integer from 0 to 6 and

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u is an integer from 0 to 6,
 A^2 is $-NHCO-$, $-CONH-$, $-OCONH-$ or $SCONH-$, or $[[is]] -CO-$,
 A^3 is $(CH_2)_r$, $O(CH_2)_r$, $NH(CH_2)_r$, $S(CH_2)_r$ or $-(CHQ)-$, wherein
 r is an integer from 1 to 6 and
 Q is a substituted or unsubstituted alkyl or aryl group,
 sp is a divalent spacer or a bond, and
 k is an integer from 5 to 100, and

R is hydrogen $[[;]]$ or a ligand suitable for specific bonding to a receptor; a
~~marker molecule; or a catalytically active group; and~~

m is at least 2,

with the proviso that

- (1) in the compound at least one R is not hydrogen,
- (2) there are at least two K that are not a bond, and
- (3) X, B and m are so selected that an intermolecular association of the K in liquid phase by the formation of hydrogen bonds is possible, with formation of aggregates that present on the surface a plurality of R that are not hydrogen, and
- (4) the molar mass of the fragment $X(K)_m$ is less than 20,000.

13. (canceled)

14. (previously presented) A method according to claim 27, further comprising adding a concentrated salt solution, changing the pH or the temperature, or adding organic solvents.

15. (currently amended) A method for changing the structure of an aggregate of the general formula (II)



wherein $X(B)_m$ may be identical or different and denote a compound of the general formula (I),



wherein

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X is an m-valent unit and
 B are identical or different and denote K-R, wherein
 K is a bond or is $A^1-(A^2-A^3)_k-sp$, wherein
 A^1 is $(CH_2)_tY(CH_2)_u$, wherein
 Y is $>C=O$, $>NH$, $-O-$, $-S-$ or a bond,
 t is an integer from 0 to 6 and
 u is an integer from 0 to 6,
 A^2 is $-NHCO-$, $-CONH-$, $-OCONH-$ or $SCONH-$, or $[[is]]-CO-$,
 A^3 is $(CH_2)_r$, $O(CH_2)_r$, $NH(CH_2)_r$, $S(CH_2)_r$ or $-(CHQ)-$, wherein
 r is an integer from 1 to 6 and
 Q is a substituted or unsubstituted alkyl or aryl group,
 sp is a divalent spacer or a bond, and
 k is an integer from 5 to 100, and
 R is hydrogen $[[;]]$ or a ligand suitable for specific bonding to a receptor; a
 marker molecule; or a catalytically active group; and

m is at least 2,
 with the proviso that

- (1) in the compound at least one R is not hydrogen,
 - (2) there are at least two K that are not a bond, and
 - (3) X, B and m are so selected that an intermolecular association of the K in liquid phase by the formation of hydrogen bonds is possible, with formation of aggregates that present on the surface a plurality of R that are not hydrogen, and
 - (4) the molar mass of the fragment $X(K)_m$ is less than 20,000, and
- n is from 2 to 100,000,

and wherein $X(B)_m$ are non-covalently bonded,

further comprising adding a concentrated salt solution, changing the temperature or the pH and/or adding urea, trifluoroethanol or peptides.

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16. (previously presented) A method according to claim 27 further comprising increasing the specific physiological activities of molecules by incorporating a radical R into a compound of the general formula (I).

17. (canceled)

18. (currently amended) A method of treating diseases arising from inflammation, viral and bacterial infections, influenza viruses, selectin-mediated inflammatory processes, tumour metastases, or in the neutralisation of antibodies in autoimmune disorders and transplants; said method comprising administering a compound of the general formula (I)



wherein

X is an m-valent unit and

B are identical or different and denote K-R, wherein

K is a bond or is $A^1-(A^2-A^3)_k-sp$, wherein

A^1 is $(CH_2)_t Y(CH_2)_u$, wherein

Y is $>C=O$, $>NH$, $-O-$, $-S-$ or a bond,

t is an integer from 0 to 6 and

u is an integer from 0 to 6,

A^2 is $-NHCO-$, $-CONH-$, $-OCONH-$ or $SCONH-$, or $[is]$ $-CO-$,

A^3 is $(CH_2)_r$, $O(CH_2)_r$, $NH(CH_2)_r$, $S(CH_2)_r$, or $-(CHQ)-$, wherein

r is an integer from 1 to 6 and

Q is a substituted or unsubstituted alkyl or aryl group,

sp is a divalent spacer or a bond, and

k is an integer from 5 to 100, and

R is hydrogen $[[:]]$ or a ligand suitable for specific bonding to a receptor; a marker molecule; or a catalytically active group; and

m is at least 2,

with the proviso that

(1) in the compound at least one R is not hydrogen,

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u is an integer from 0 to 6,
 A^2 is $-\text{NHCO}-$, $-\text{CONH}-$, $-\text{OCONH}-$ or $\text{SCONH}-$, or $[\text{is}] -\text{CO}-$,
 A^3 is $(\text{CH}_2)_r$, $\text{O}(\text{CH}_2)_r$, $\text{NH}(\text{CH}_2)_r$, $\text{S}(\text{CH}_2)_r$ or $-(\text{CHQ})-$, wherein
 r is an integer from 1 to 6 and
 Q is a substituted or unsubstituted alkyl or aryl group,
 sp is a divalent spacer or a bond, and
 k is an integer from 5 to 100, and

R is hydrogen or a ligand suitable for specific bonding to a receptor; and

m is at least 2,
 with the proviso that

- (1) X, B and m are so selected that an intermolecular association of the K in liquid phase is possible, especially under aqueous conditions, by the formation of hydrogen bonds, with formation of aggregates, and
- (2) the molar mass of the fragment $\text{X}(\text{K})_m$ is less than 20,000, especially less than 4000.

24-26. (canceled)

27. (currently amended) A method of preparing an aggregate comprising:
 preparing a compound of the general formula (II)



wherein

$\text{X}(\text{B})_m$ may be identical or different and denote a compound of the general formula (I),



wherein

X is an m-valent unit and

B are identical or different and denote K-R, wherein

K is a bond or is $\text{A}^1-(\text{A}^2-\text{A}^3)_k-\text{sp}$, wherein

A^1 is $(\text{CH}_2)_t\text{Y}(\text{CH}_2)_u$, wherein

Y is $>\text{C}=\text{O}$, $>\text{NH}$, $-\text{O}-$, $-\text{S}-$ or a bond,

t is an integer from 0 to 6 and

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u is an integer from 0 to 6,
 A^2 is $-NHCO-$, $-CONH-$, $-OCONH-$ or $SCONH-$, or $[[is]]-CO-$,
 A^3 is $(CH_2)_n$, $O(CH_2)_n$, $NH(CH_2)_r$, $S(CH_2)_r$ or $-(CHQ)-$, wherein
 r is an integer from 1 to 6 and
 Q is a substituted or unsubstituted alkyl or aryl group,
 sp is a divalent spacer or a bond, and
 k is an integer from 5 to 100, and

R is hydrogen $[[;]]$ or a ligand suitable for specific bonding to a receptor; a
~~marker molecule; or a catalytically active group; and~~

m is at least 2,

with the proviso that

- (1) in the compound at least one R is not hydrogen,
 - (2) there are at least two K that are not a bond, and
 - (3) X, B and m are so selected that an intermolecular association of the K in liquid phase by the formation of hydrogen bonds is possible, with formation of aggregates that present on the surface a plurality of R that are not hydrogen, and
 - (4) the molar mass of the fragment $X(K)_m$ is less than 20,000, and
- n is from 2 to 100,000,
 and wherein $X(B)_m$ are non-covalently bonded.

28. (currently amended) A method of preparing a therapeutic drug comprising:
 preparing the compound of the general formula (I)



wherein

X is an m-valent unit and

B are identical or different and denote K-R, wherein

K is a bond or is $A^1-(A^2-A^3)_k-sp$, wherein

A^1 is $(CH_2)_tY(CH_2)_u$, wherein

Y is $>C=O$, $>NH$, $-O-$, $-S-$ or a bond,

t is an integer from 0 to 6 and

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u is an integer from 0 to 6,
 A^2 is $-NHCO-$, $-CONH-$, $-OCONH-$ or $SCONH-$, or $[[is]]-CO-$,
 A^3 is $(CH_2)_r$, $O(CH_2)_r$, $NH(CH_2)_r$, $S(CH_2)_r$ or $-(CHQ)-$, wherein
 r is an integer from 1 to 6 and
 Q is a substituted or unsubstituted alkyl or aryl group,
 sp is a divalent spacer or a bond, and
 k is an integer from 5 to 100, and

R is hydrogen $[[;]]$ or a ligand suitable for specific bonding to a receptor; ~~a marker molecule; or a catalytically active group; and~~

m is at least 2,

with the proviso that

- (1) in the compound at least one R is not hydrogen,
- (2) there are at least two K that are not a bond, and
- (3) X, B and m are so selected that an intermolecular association of the K in liquid phase by the formation of hydrogen bonds is possible, with formation of aggregates that present on the surface a plurality of R that are not hydrogen, and
- (4) the molar mass of the fragment $X(K)_m$ is less than 20,000; or
 preparing the compound of the general formula (II):



wherein

$X(B)_m$ may be identical or different and denote a compound of the general formula (I), and

n is from 2 to 100,000,

and wherein $X(B)_m$ are non-covalently bonded; and

a pharmaceutically acceptable carrier.

29. (canceled)